RANGER LR Family

OEM Long-Range Laser Range Finders

Missions

- OEM Single - Pulse Long - Range Laser Finder
- Open Frame or Box modules
- Ideal for airborne and ground long - range observation applications

Main Features

- Top Quality in Compact Robust Package:
  - Unmatched dimensions and weight
  - Designed to perform under adverse conditions
  - Continuous lasing at repetition rates of 1 - 10Hz
  - Exceptional optics boresighting
  - Integrated, boresighted IR marker and Camera (Optional)
  - Complies with MIL - STD standards
- Limitless Integration and Adaptation Options:
  - Maximized packaging flexibility

Elbit Systems™
Security & Tactical EO Solutions – ELSEC

RANGER LR Family

OEM Long-Range Laser Range Finders

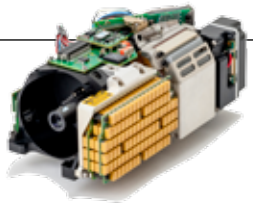
- Easy integration with any existing multi - sensor suite
- Adaptable mechanic, electronic and communication interfaces
- Successfully integrated with over 30 different systems world - wide
- Covers all operational needs and range finding scenarios up to 20Km

Technical Specifications

Category	Ranger 12/ Ranger 12B	Ranger 25/ Ranger 25B	Ranger 30 High Repetition (HR)
Laser Type	Er - Glass	Er - Glass	Er - Glass
Laser Wavelength	1540 nm	1540 nm	1540 nm
Laser Repetition Rate	1 lasing/sec (1Hz)	1 lasing/sec (1Hz)	Up to 10 lasing/sec (5-10Hz)
Extinction Ratio	> 36 dB	> 40 dB	> 41 dB
Minimum Range	45 m	45 m	45 m
Maximum Range	> 15,000 m	>20,000 m	>20,000 m
Range Accuracy	±5 m	±5 m	±5 m
Laser Safety	Fully eye-safe CLASS 1 IAW IEC 60825·1:2001 - 2008	Fully eye-safe CLASS 1, IAW IEC 60825·1:2001 - 2008	Fully eye - safe CLASS 1M, IAW IEC 60825·1:2001 - 2008
Boresight Accuracy (Mechanical Interface-Laser)	<0.3 mrad	< 0.3 mrad	<0.3 mrad
Power	18 - 33 VDC	18 - 33 VDC	18 - 33 VDC
Communication	RS232/RS422	RS232/RS422	RS232/RS422
Weight	<0.7 kg (Open Frame Module), <1.5 kg (Box Module)	< 0.8kg (Open Frame Module) < 1.6 kg (Box Module)	<1.9 kg (Box Module)
Dimensions	65.5 x 109.5 x 120.5 mm (Open Frame module) 65 x 125 x 110 mm (Box module) TEC Solution for over 60ºC operation (Optional)	65.5 x 109.5 x 120.5 mm (Open Frame module) 65 x 125 x 110 mm (Box module) TEC Solution for over 60ºC operation (Optional) Camera (Optional)	68 x 125 x 110 mm (Box module)

Ranger 30

Ranger 25B



Ranger 30

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